EMENT BOOK

Dimensions			Contents	
Length 4	Breadth 5	Depth 6	7	
2.40	7.3+7.20 / 2	0.45	= 39.15	
4.50	7.2+5.0 / 2	0.45	12.86	
			52.01	
1.0	25/2			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

427192

From ..... To .....

Date of Recording : 11/12/19

Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

Name of Work: Providing & fixing of Duct with trimix at Singapura Paradise in Ward No. 011 (Ruveerpuragara) Vidhyaranyapur Sub-Division

D.S: 10.00 lakhs

Work No: 011-20-00007

Name of D/C: P1771

Estimate No: BBMP/EE/BTP/WO/104 Dt: 01/10/19

A.S No : AS/EE(BTP)/35/19-20 Dt: 06/09/19

T.S No : TS/EE(BTP)/61/19-20 Dt: 06/09/19

Name of Agency: Sri Bramananda Reddy. at BBMP

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
1)	Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 3 meter and an average lift upto 0.5m excavated surface levelled and sides neatly cut the disposed earth to be levelled neatly after breaking of clods complete as per specification. Quantity vide this M.B P.NO - 78 I.NO 1) 22.12 cum @ 172.7/cum						
2)	providing and laying in position plain cement concrete in 1:4:8 with opc cement @ 150 kgs. with 10mm and down size graded granite metal course aggregate @ 0.85 cum						

EMENT BOOK

Dimensions			Contents	
Length 4	Breadth 5	Depth 6	7	
...nary soil involving ... ...ket and an average lift ...revelled and sides neatly ch... ...velled neatly after breaking ...specification.				
...e this M.B P.NO - 78				
... 22.12 cum @ 172.7/cum				
...lain cement concrete in 1:4:8 ... round and down size ...e aggregates @ 0.85 cum				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

427193

From ..... To .....

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
	...machine mixed/machine mixed ... ...not exceeding 15cms thick well compacted ... ...including cost of all materials, labours, ...curing complete as per specifications.				
	Extra wide this M.B P.NO - 79				
	I.NO (2): 3.68 cum @ 4665.02/cum				17167.50

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
3)	providing and constructing granite/trap/basalt size stone masonry in foundation with cement mortar 1:6 stone hammered all round in course not less than 30 cm high, bond stones at two m, apart in each course including cost of materials labours, curing complete as per specifications.						
	Quantity vide this MB P.No → 79						
	I.t.No (3) : 41.12 cum @ 4013.95/cum						
							1653
4)	providing and constructing granite/trap/basalt size stone masonry in basement with cement mortar						

NT BOOK

mensions			Contents	
	Breadth 5	Depth 6	7	
basalt size stone masonry				
stone hammered dressed				
), boulder stones at				
cluding cost of materials				
specifications.				
ms MB PWD → 79				
3) : 4.12 cum @ 4013.85/cum				
				16535
P/basalt size				
with cement mortar				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

427194

From..... To.....

.....

.....

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
The arrival in course not less than 15cms apart in each course including cost labours curing complete as per specifications.					
1	14.00	0.45	0.50	3.15 cum	
Deduct to the tender qty				= 3.09 cum	
total qty				= 3.09 cum	
@				4797.29/cum	14824.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
5)	providing and laying in position Plain cement concrete of mix 1:2:4 with cement @ 8kg/kgs. with down and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms thick, well compacted in foundation, plinth and city including cost of all materials labour, hire of machinery, curing complete as per specification						
	Coupling	1	1+1.50	0.45	0.10	0.63 cum	
				@	5215.20/cum		3286

NT BOOK

ensions		Contents	
Breadth 5	Depth 6	7	
...ent concrete of mix ... and down size ...ey @ 0.69 cum and ... mixed, concrete ...ms thick. well compacted ...ding cost of all materials ... complete as per specifications			
0.45	0.10	0.63 cum	
@	5215.20/cum		3286

M. A. R. 57 (Rule 116)
Measurement Book

No. B

427195

From ..... To .....

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
				concrete using 40mm and down size granite	
				and fine aggregate by ready mixed concrete	
				for R.C.C works laid in 15 cms thick layers and well	
				curing for raft foundation column footing, main	
				beams with all lead and lifts. etc. complete (exclusive	
				of steel and fabrication charges)	
Raft footing 1	10	0.90	0.90	1.00	8.10
		Total Quty		=	8.10
				@ 5635.02/cum	45644.00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
7)	providing and laying constructing load bearing wall with Solid concrete blocks of size 400x150x200mm having block density not less than 1500 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 conforming to IS 2185 (Part): 2005 and constructed with cm 1:4 as per IS 79:2005 including cost of all materials labour charges, scaffolding, curing complete as specification						
	Back side wall	1	14.00		3.40	47.60	
	Steps	2	1.30	1.40		3.64	
		2	0.95	1.40		2.66	
		2	0.65	1.40		1.82	
		2	0.30	1.40		0.84	
	TOTAL QUTY					56.56	
	Less limited to tender QUTY =					55.75	4846
		@	869.86/SQM				

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

10/12/19

MENT BOOK

Dimensions			Contents	
Length 4	Breadth 5	Depth 6	7	
load bearing wall with Solid con				
laying bricks density not less				
1500 average compressive stre				
185 (part): 2005 and constructed				
005 in every cost of all materials				
using complete as specifically				
		3.40	47.60	
14.00			3.64	
1.30	1.40		2.66	
0.95	1.40		1.82	
0.65	1.40		0.84	
0.30	1.40		56.56	
To tender qty	=		55.75	48467

@ 869.86/sqm

M. A. R. 57 (Rule 116)
Measurement Book

No. B

427196

From..... To.....

Dimensions				Contents	Reference to last Measurement
Number 3	Length 4	Breadth 5	Depth 6	7	8
			plaster in single coat with cement		
			including rounding off corners		
			plastering, providing and rendering		
			complete as per specifications.		
			3.40	95.20	
2	14.00		0.15	0.78	
2	1.30		0.15	0.35	
2	0.90		0.15	0.39	
2	0.65		0.15	0.15	
2	0.30		0.15	2.10	
5	1.40		0.15	6.72	
1	11.20		0.60	105.94	19263.00
subtract to tender qty				101.30	

@ 189.78/sqm

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
9)	Providing and laying flooring using prepolished water cut/gang sawn 18mm thick granite laid over bed of 20mm thick 1:4 cem and mortar with neat cement slurry mixed with pigment to match shade of granite slabs including paying pop on finished surface and cleaning the surface including the cost of all materials and labour complete as per specifications using Silver grey granite/multy Red/Ruby Black/Halasur Green Granite of width not less than 600mm.						
	Flooring	1	14.10	6.30		88.83	
		1	14.10		0.10	1.41	
		1	5.00	2.50		12.50	
		Total Qnty		=		102.74	25.79
	11/12/19	@	25	10.31/Sqm			

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427197

..... From..... To.....

..... of Agency .....

..... of work .....

Description etc. of work	Dimensions				Contents	Reference to last Measurement
	Number 3	Length 4	Breadth 5	Depth 6	7	8
providing & erecting M.S. angular truss of span up to 10m. The bottom chord is provided with 50x50x6mm double equal angles to back to back and in between top and bottom line in area of single angle is provided. All the members are welded use as per specifications						
dia pipe	9	3.30		29.70		
	1	1.00		1.00		
'W' in Gauge			W	19.20	589.44	
square pipe						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Trusses Tie Beam main pipe	2x5	7.00		70.00	
	Rafters	3	15.25		106.75	
	vertical supports	5+4	0.60		42.00	
	Diagonal supports	2x14+5	0.80		112.00	
					330.75	
				cut	3.23	1068.32
	Anchor bolts, base plate and shoe plate	10		0.30	3.00	
	G.I. Anchor bolts			cut	78.50	235.50
		4x10	0.90		36.00	
				cut	1.58	56.88
						1950.14
	add 10% for gussets plates etc					87.76
						2037.90
				Sq		2037.90

MENT BOOK

Dimensions			Contents	
Length 4	Breadth 5	Depth 6	7	
1.60		70.60		
15.25		106.75		
0.60		42.60		
0.80		112.60		
		330.75		
	cot	3.23	10.68.32	
		3.60		
	0.30	78.50	235.50	
	wet	36.60		
0.90		1.58	56.88	
	wet		1950.14	
			87.76	
			2037.90	
	SG		2037.90	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427198

From ..... To .....

Number 3	Dimensions Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		10100		1837.95	
				1750.00 @ 112.14/kg	19624.50.00
				87.95 @ 112.14/kg	9863.00
					11/10/19

Executive Engineer
Division

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	The roofing system shall have water proof over lapping arrangement at the inter section of two sheets. The fasting shall be self tapping screw dia 6.3mm or required length with pre heated along with washer pre-painted with build in seal arrangement, the entire roof shall be fixed to the existing frame					
		1	15.25	7.00		106.75
		1	15.05	0.60		9.15
		Total Qtty			=	115.90
		Qtty upto	1251.		=	10185
					(@ Rs 2156.62/sqm)	

MENT BOOK

Dimensions			Contents	
ength 4	Breadth 5	Depth 6	7	
arter's	proof	over	topping	
ion of two sheets-Ine-fasting				
da 6.3000 or required				
ion washer pre-painted with				
ne entire roof shall be firmly				
2.				
5.25	7.00		106.75	
5.95	0.60		9.15	
		=	115.90	
ality				
p to	125/-	=	10185	
		@ Rs 9156.62/sqm		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 427199

From ..... To .....

Number 3	Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				extra above 125/-	
				14.65 sqm	
				@ Rs=9156.63/ sqm	31595.00
				Total Rs:	8,82,977.00

11/12/19

The contractor has done satisfactory

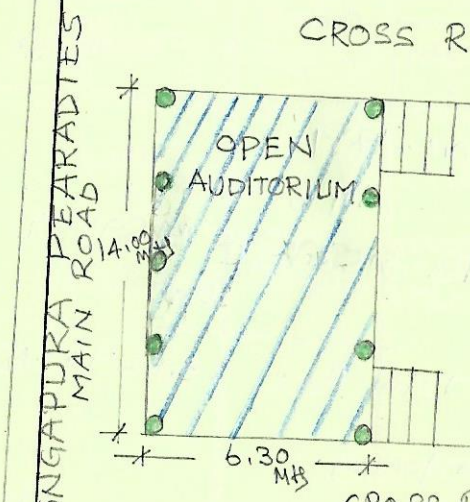
materials supplied to contractor

11/12/19

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7



11/12/19

Assistant Executive Engineer